

4.2.E. 0513020105.

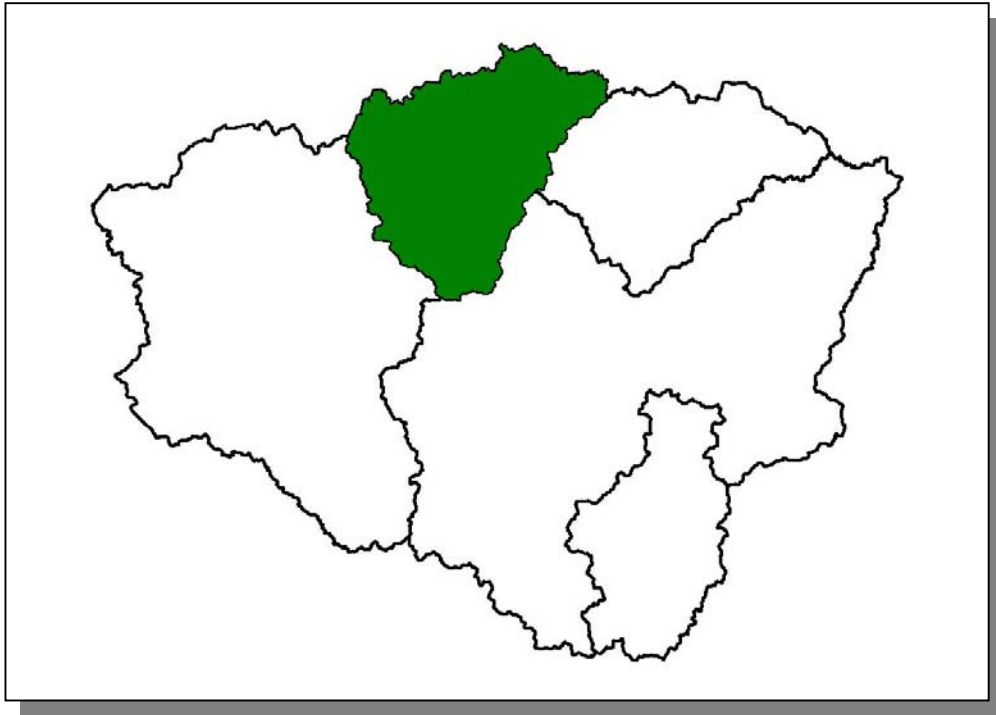


Figure 4-163. Location of Subwatershed 0513020105. All Old Hickory Lake HUC-10 subwatershed boundaries are shown for reference.

4.2.E.i. 051302010501 (Upper Bledsoe Creek).

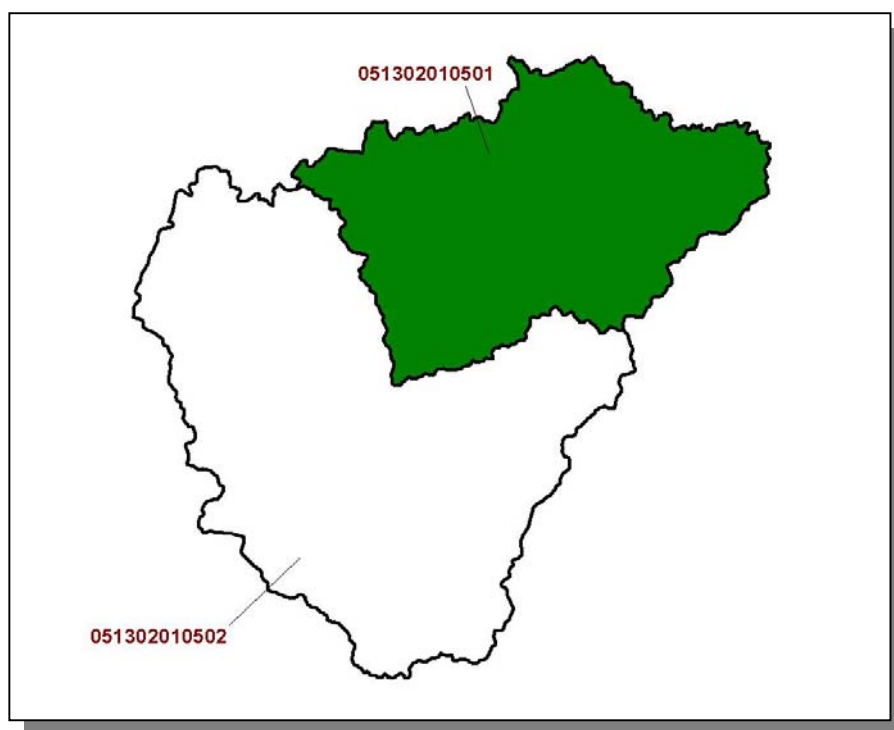


Figure 4-164. Location of Subwatershed 051302010501. All HUC-12 subwatershed boundaries are shown for reference.

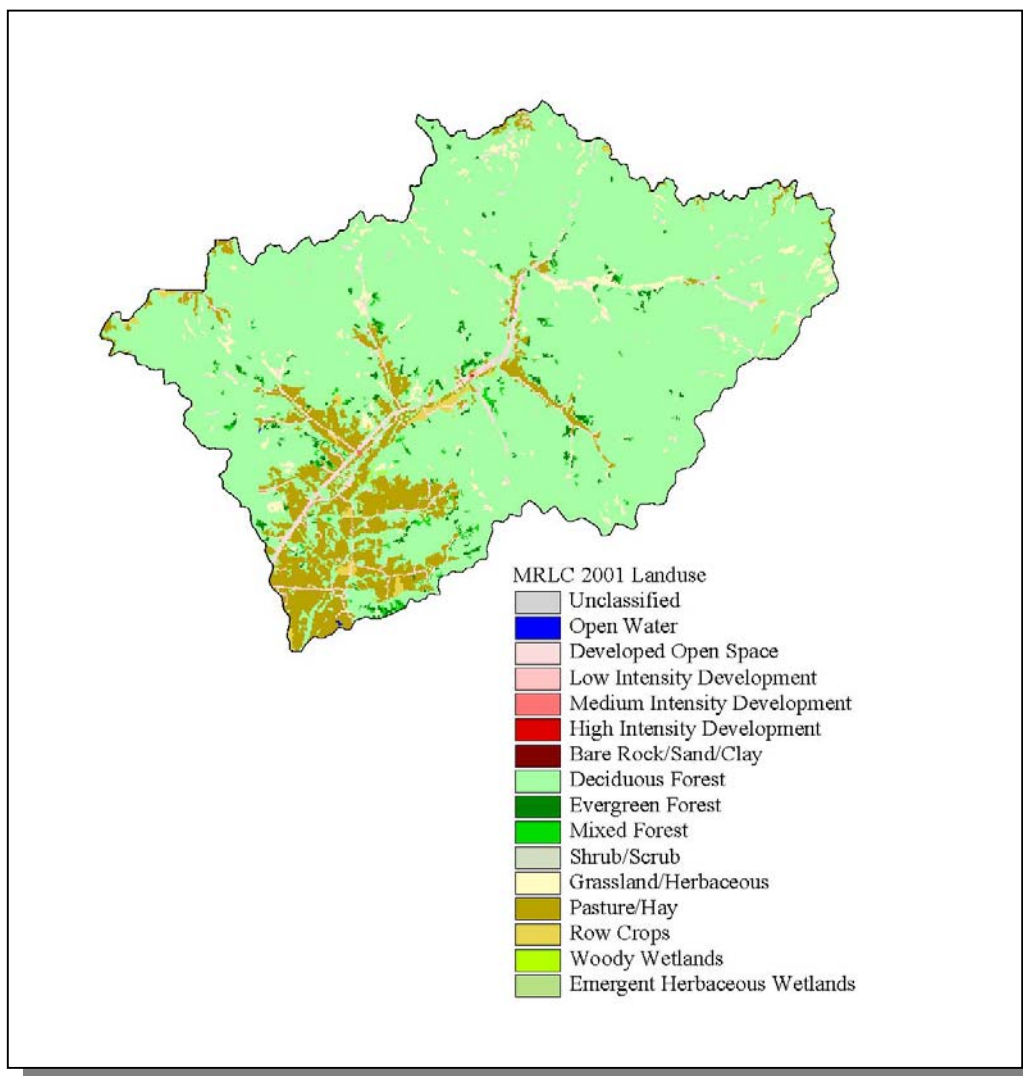


Figure 4-165. Illustration of Land Use Distribution in Subwatershed 051302010501.

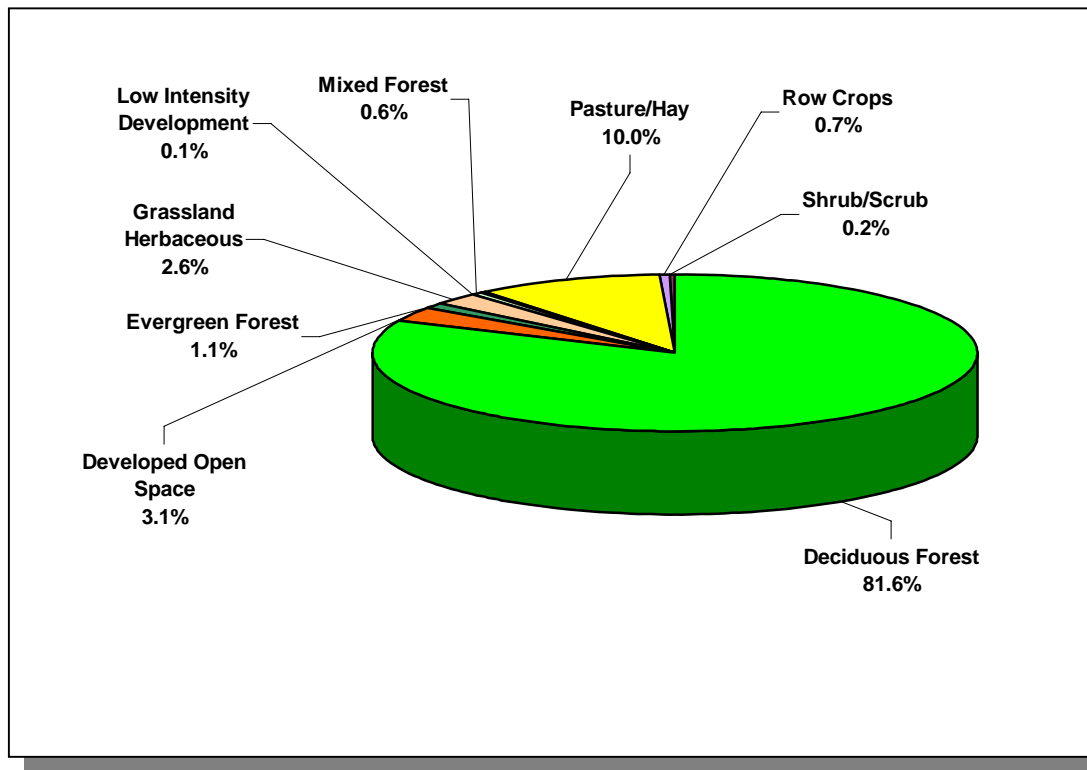


Figure 4-166. Land Use Distribution in Subwatershed 051302010501. More information is provided in Appendix IV.

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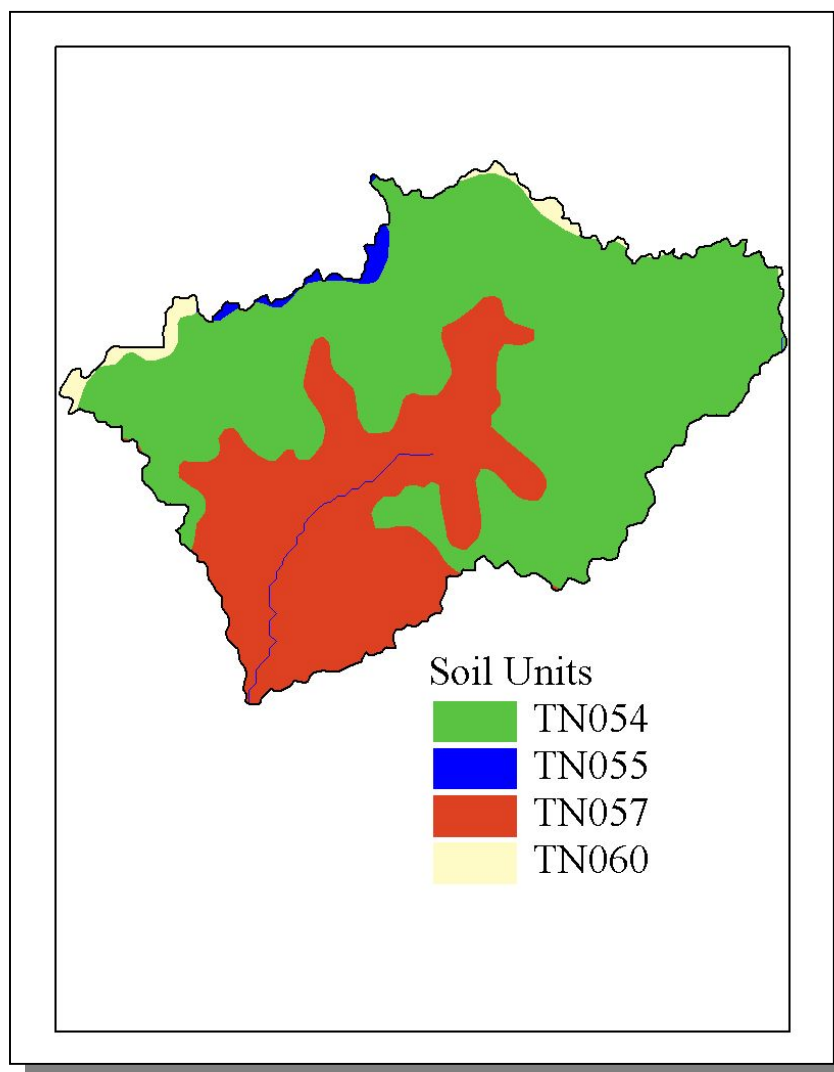


Figure 4-167. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051302010501.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN055	3.00	C	2.45	5.24	Loam	0.34
TN057	0.00	C	1.14	5.01	Clayey Loam	0.33
TN060	5.00	B	1.30	5.32	Silty Loam	0.39

Table 4-127. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051302010501. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Macon	15,906	17,854	20,386	1.24	197	222	253	28.4
Sumner	103,281	121,936	130,449	7.23	7,466	8,815	9,431	26.3
Trousdale	5,920	6,748	7,259	1.00	59	67	73	23.7
Total	125,107	146,538	158,094		7,722	9,104	9,757	26.4

Table 4-128. Population Estimates in Subwatershed 051302010501.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Westmoreland	Sumner	1,726	709	625	82	2

Table 4-129. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 051302010501.

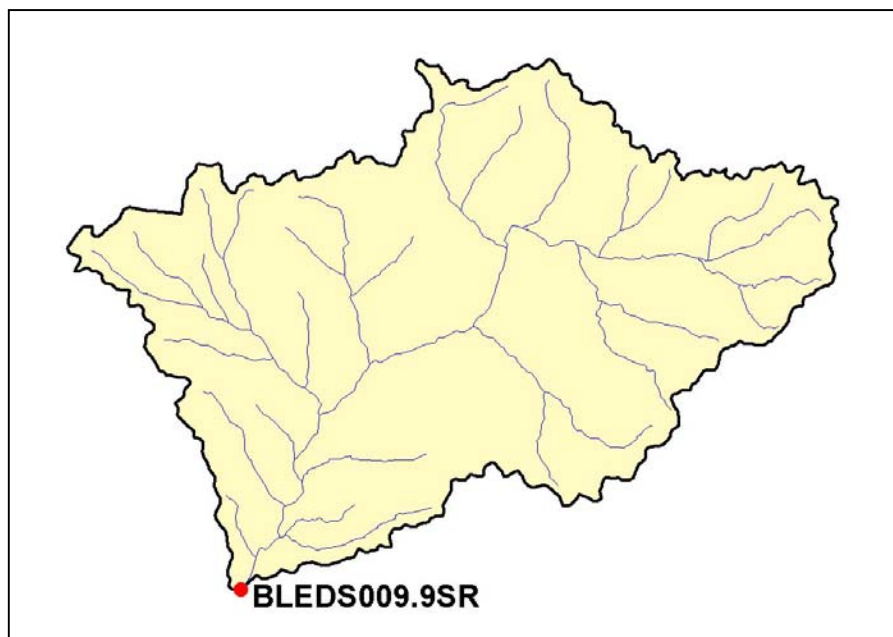


Figure 4-168. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051302010501. More information, including site names and locations, is provided in Appendix IV.

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4.2.E.i.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.E.i.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
740	1,484	48	<5	85	6

Table 4-130. Summary of Livestock Count Estimates in Subwatershed 051302010501. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Macon	15,039	26,098	318	675	2,377	111
Sumner	22,296	45,116	1,515	50	2,500	189
Trousdale	6,672	11,344	135	243	112	195

Table 4-131. Summary of Livestock Count Estimates in Macon, Sumner, and Trousdale Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Macon				
Sumner	88.2	88.2	2.0	6.3
Trousdale	30.0	30.0	0.1	0.4

Table 4-132. Forest Acreage and Annual Removal Rates (1987-1994) in Macon, Sumner, and Trousdale Counties.

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CROPS	TONS/ACRE/YEAR
Legumes (Pastureland)	0.15
Grass (Pastureland)	0.46
Grass (Hayland)	0.30
Legumes, Grass (Hayland)	0.23
Grass, Forbs, Legumes (Mixed Pasture)	0.58
Legumes (Hayland)	0.12
Corn (Row Crops)	11.58
Soybeans (Row Crops)	11.27
Tobacco (Row Crops)	10.06
Wheat (Close-Grown Cropland)	3.43
Other Vegetable and Truck Crops	5.48
Other Cropland not Planted	19.23
Conservation Reserve Program Lands	0.26
Farmsteads and Ranch Headquarters	0.32

Table 4-133. Annual Estimated Total Soil Loss in Subwatershed 051302010501.

4.2.E.ii. 051302010502 (Lower Bledsoe Creek).

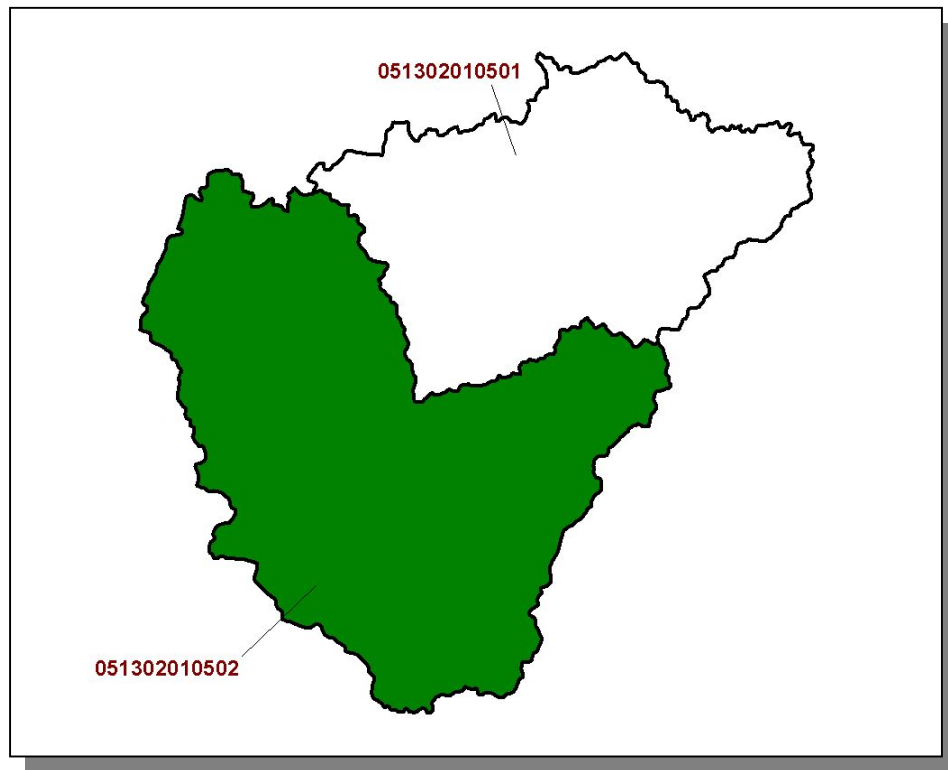


Figure 4-169. Location of Subwatershed 051302010502. All HUC-12 subwatershed boundaries are shown for reference.

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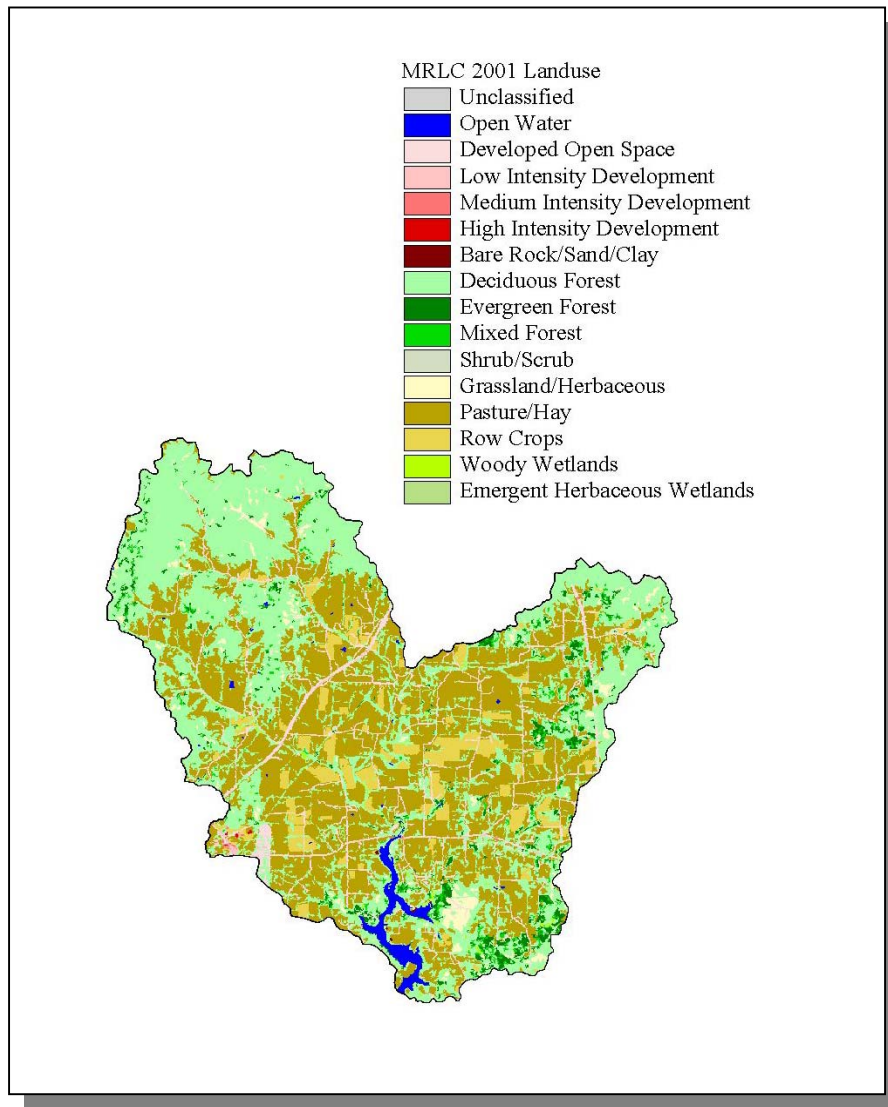


Figure 4-170. Illustration of Land Use Distribution in Subwatershed 051302010502.

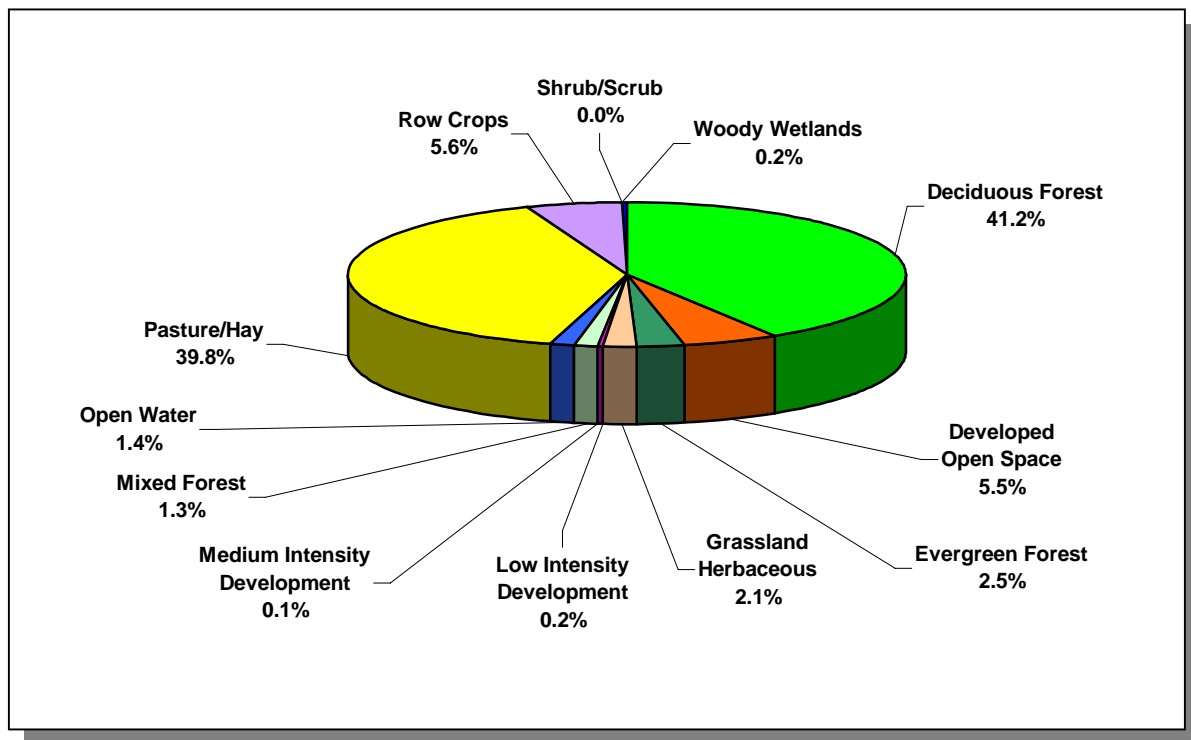


Figure 4-171. Land Use Distribution in Subwatershed 051302010502. More information is provided in Appendix IV.

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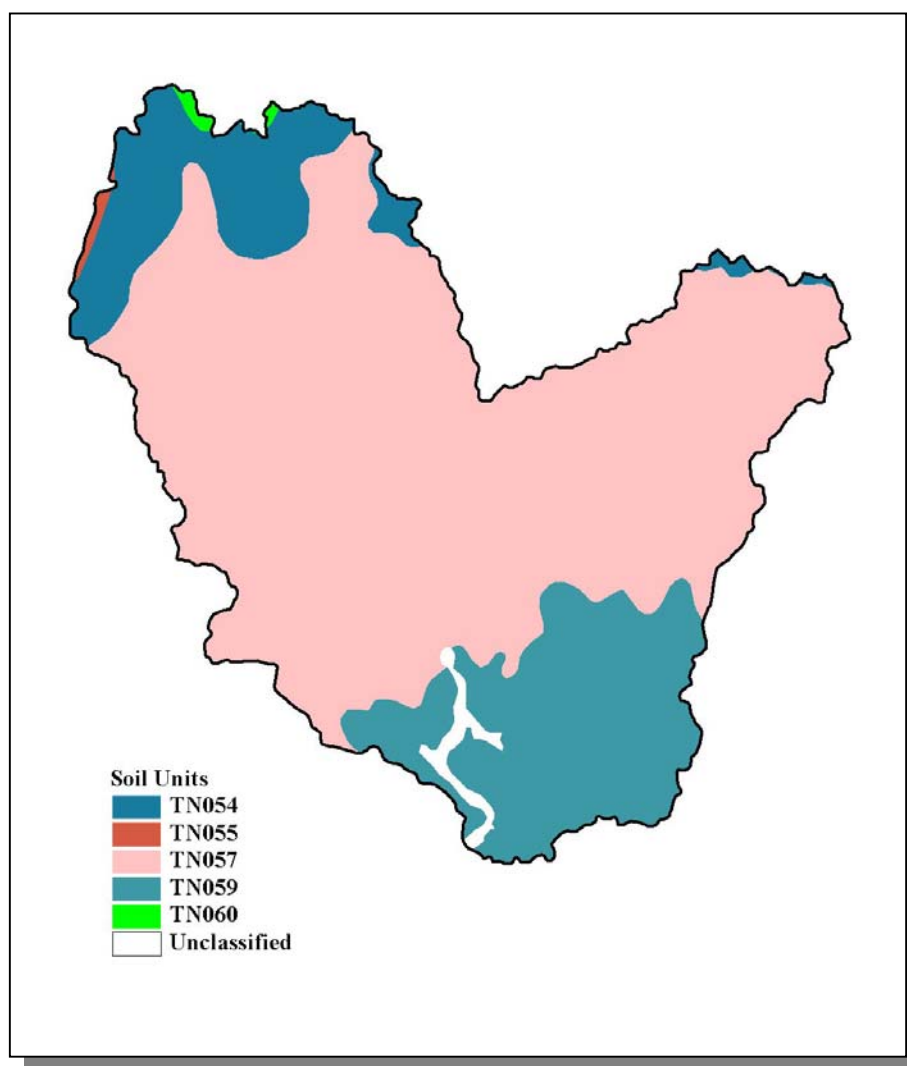


Figure 4-172. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051302010502.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN055	3.00	C	2.45	5.24	Loam	0.34
TN057	0.00	C	1.14	5.01	Clayey Loam	0.33
TN059	0.00	C	1.08	5.70	Silty Clayey Loam	0.35
TN060	5.00	B	1.30	5.32	Silty Loam	0.39

Table 4-134. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051302010502. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Sumner	103,281	121,936	130,449	12.38	12,787	15,096	16,150	26.3
Trousdale	5,920	6,748	7,259	1.2	71	81	87	22.5
Total	109,201	128,684	137,708		12,858	15,177	16,237	26.3

Table 4-135. Population Estimates in Subwatershed 051302010502.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Gallatin	Sumner	21,495	4,346	4,305	26	15

Table 4-136. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 051302010502.

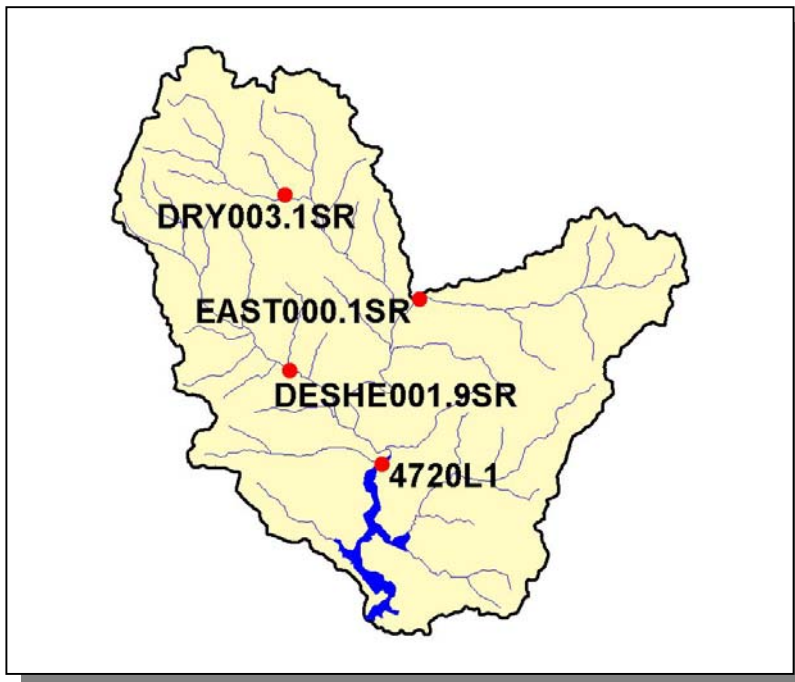


Figure 4-173. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051302010502. More information, including site names and locations, is provided in Appendix IV.

4.2.E.ii.a. Point Source Contributions.

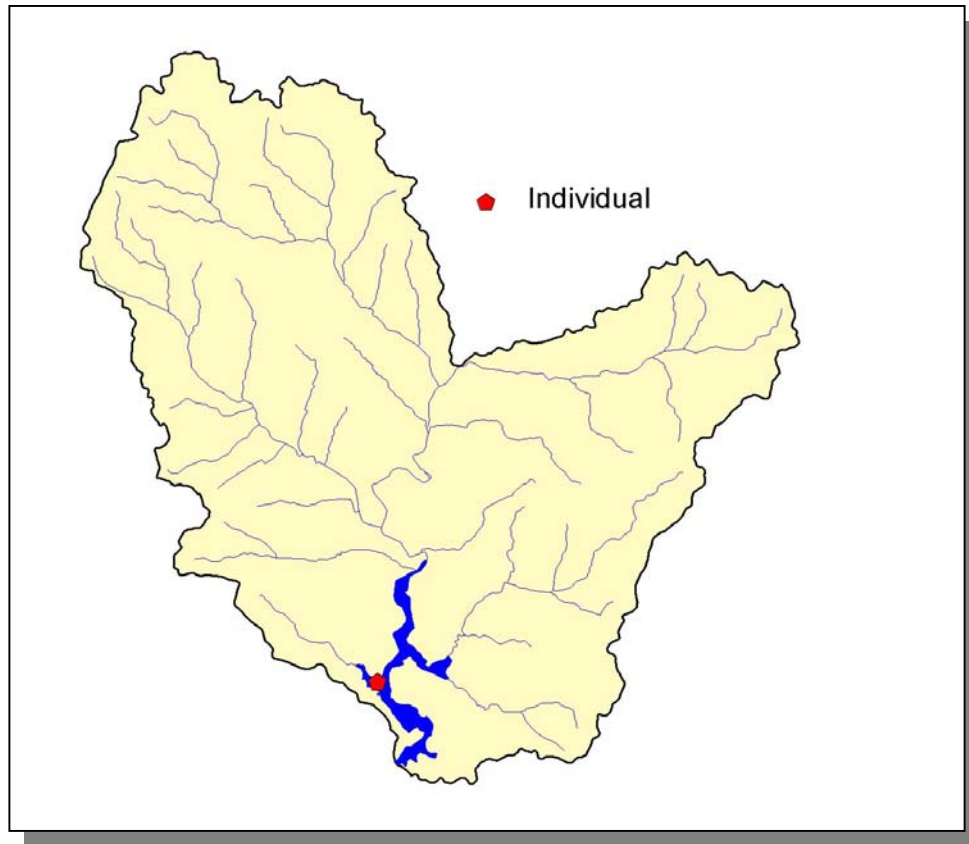


Figure 4-174. Location of Permits Issued in Subwatershed 051302010502. More information, including the names of facilities, is provided in Appendix IV.

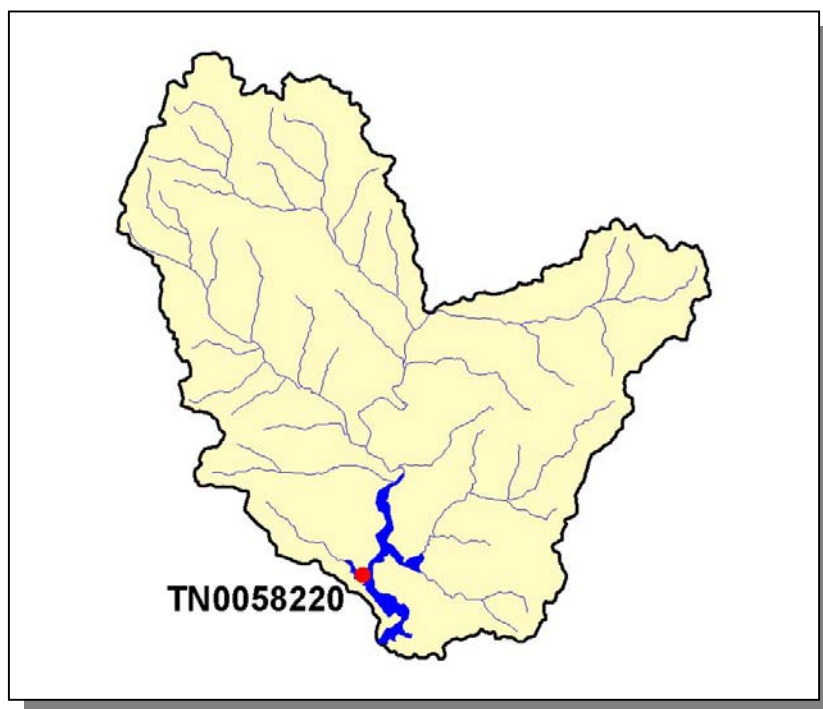


Figure 4-175. Location of Active NPDES Sites in Subwatershed 051302010502. More information, including the names of facilities, is provided in Appendix IV.

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4.2.E.ii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
3,524	7,114	237	8	390	31

Table 4-137. Summary of Livestock Count Estimates in Subwatershed 051302010502.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Sumner	22,296	45,116	1,515	50	2,500	189
Trousdale	6,672	11,344	135	243	112	195

Table 4-138. Summary of Livestock Count Estimates in Sumner and Trousdale Counties.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Sumner	88.2	88.2	2.0	6.3
Trousdale	30.0	30.0	0.1	0.4

Table 4-139. Forest Acreage and Annual Removal Rates (1987-1994) in Sumner and Trousdale Counties.

CROPS	TONS/ACRE/YEAR
Legumes (Pastureland)	0.43
Grass (Pastureland)	0.46
Grass (Hayland)	0.31
Legumes, Grass (Hayland)	0.23
Legumes (Hayland)	0.12
Grass, Forbs, Legumes (Mixed Pasture)	0.53
Corn (Row Crops)	12.32
Soybeans (Row Crops)	11.27
Tobacco (Row Crops)	6.47
Other Cropland not Planted	19.23
Conservation Reserve Program Lands	0.26
Farmsteads and Ranch Headquarters	0.34

Table 4-140. Annual Estimated Total Soil Loss in Subwatershed 051302010502.